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| **School or Division** | School of Business and Technology |
| **Program or Certificate or** | All degrees |
| **New degree or certificate program** | NA |
| **Proposed by (faculty only)** | Leroy Bugger |
| **Presenter (faculty only)** | Leroy Bugger |
| Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date. | |
| **Submission date** | 1/9/2015 |
| **Course prefix, number, and title** | QMB 3603 - Quantitative Business Statistics |

**Section I, New Course Information (must complete all items)**

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| **List School or Division** | School of Business and Technology |
| **List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a “D”)** | Prior to enrolling in any upper level course (course number beginning with a 3 or 4), students must complete the following courses with a grade of ―C‖ or better: ENC 1101 English Composition I, ENC 1102 English Composition II, and three semester hours of college level mathematics; or permission from the appropriate academic Dean  **AND**  STA 2023 WITH MIN. GRADE OF C AND EITHER CGS 1100 WITH MIN. GRADE OF C OR MAC 2233 WITH MIN. GRADE OF C. |
| **Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)** | No |
| **List course corequisites** | NA |
| **Is any corequisite for this course listed as a corequisite on its paired course?**  (Ex. CHM 2032 is a corequisite for CHM 2032L, and CHM 2032L is a corequisite for CHM 2032) | No |
| **Course credits or clock hours** | 3 |
| **Contact hours (faculty load)** | 3 |
| **Select grade mode** | Standard Grading (A, B, C, D, F) |
| **Credit type** | College Credit |
| **Course description** (provide below) | |
| This course provides an introduction to basic mathematical and statistical methods and models, as well as their software applications for solving business problems and/or in making decisions. Includes topics such as descriptive and inferential analytics, hypothesis tests, correlation, forecasting, linear and multiple regression, and decision analysis. | |

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| **General topic outline** (type in outline below) |
| • DATA DESCRIPTION  • DESCRIPTIVE STATISTICS  • HYPOTHESIS TESTING  • REGRESSION BASICS  • MULTIPLE REGRESSION  • ANALYSIS OF VARIANCE  • DECISION ANALYSIS |

**Learning Outcomes:** For information purposes only. Type in all learning outcomes, assessments, and general education competencies as they should be displayed in the syllabus. More rows can be added if necessary.

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| **Learning Outcomes** | **Assessments** | **General Education Competencies** |
| To provide a basic understanding of the value and use of quantitative methods in administrative and operational problem solving and decision-making. | Exams  Comprehensive final exam  Where appropriate, a formal class presentation | QR |
| To develop an understanding of a variety of statistical and quantitative techniques applicable to a wide range of business situations. | QR |
| To recognize particular techniques and their applications so as to be able to apply these techniques in problem solving for management decision making. | QR |

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| **ICS code for this course** | ADVANCED AND PROFESSIONAL - 1.15.05 - BUSINESS AND MANAGEMENT |
| **Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".** | No |
| **Is the course an “International or Diversity Focus” course?** | No, not International or Diversity Focus |
| **Is the course a General Education course?** | No |
| **Is the course a Writing Intensive course?** | No |
| **Is the course repeatable\*?**  (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits).  \*Not the same as Multiple Attempts or Grade Forgiveness | No |
| **Do you expect to offer this course three times or less (experimental)?** | No |

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| **Impact of Course Proposal** | |
| **Will this new course proposal impact other courses, programs, departments, or budgets?** | No |
| **If the answer to the question above is “yes”, list the impact on other courses, programs, or budgets?** |  |
| **Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.** | |
| None deemed necessary | |

**Section II, Justification for proposal**

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| **Provide justification (below) for this proposed curriculum action** |
| TO EQUIP STUDENTS WITH THE QUANTITATIVE ANALYTICAL SKILLS NECESSARY FOR DECISION MAKING IN A BUSINESS ENVIRONMENT. |

**Section III, Important Dates and Endorsements Required**

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| **List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).** |
| Dr. Douglas Nay, David Hoffman, William Van Glabek, Leroy Bugger |

**nOTE:** Changes for the Fall 2015 term must be submitted by the January 3, 2015 deadline and approved no later than the February 28, 2015 Curriculum Committee meeting. Changes during mid-school year are NOT permitted. Extreme circumstances will require approval from the appropriate Dean or Assistant Vice President as well as the Provost and Vice President of Academic Affairs to begin in either the Spring 2015 or Summer 2015 term.

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| **Term in which approved action will take place** | Fall 2015 |

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| **Required Endorsements** | **Type in Name** | **Select Date** |
| **Department Chair or Program Coordinator** | Dr. Douglas Nay | 1/9/2015 |
| **Academic Dean or Assistant Vice President** | Dr. John Meyer | 1/9/2015 |
| **Dean’s Council Representative** | Dr. Mary Myers | 2/3/2015 |

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| **Select Curriculum Committee Meeting Date** | February 27, 2015 |

Completed curriculum proposals must be uploaded to Dropbox by the deadline. Please refer to the *Curriculum Committee Critical Dates for Submission of Proposals* document available in the document manager in the FSW Portal:

* Document Manager
* VP Academic Affairs
* Curriculum Process Documents

**Important Note to Faculty, Department Chairs or Program Coordinators, and Deans or an Assistant Vice President:**

Incomplete proposals or proposals requiring corrections will be returned to the School or Division. If a proposal is incomplete or requires multiple corrections, the proposal will need to be completed or corrected and **resubmitted to the Dropbox for the next Curriculum Committee meeting** (no later than January 9, 2015 to be effective for the Fall 2015 term). All Curriculum proposals require approval of the Provost and Vice President of Academic Affairs. Final approval or denial of a proposal is reflected on the completed and signed Summary Report.